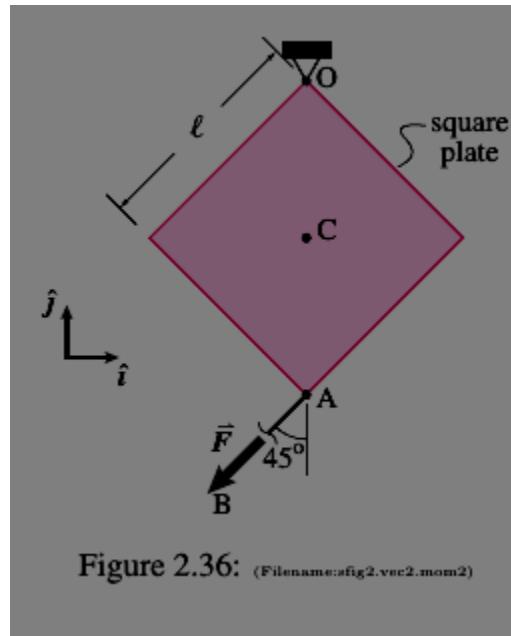


Problem#1:

A 2 m square plate hangs from one of its corners as shown in the figure. At the diagonally opposite end, a force of 50 N is applied by pulling on the string AB. Find the moment of the applied force about the center C of the plate.



Problem#2:

A 100 N vertical force is applied to the end of a lever which is attached to a shaft at O

Determine:

- Moment about O.
- Horizontal force at A which creates the same moment.

